

[illegible]

EXE

Mod

EDT

ED

ED
EDED
EDED
EDED
ED

ED

ED

ED

ED

ED
EDSYN
LBA

110

```
UU      UU  FFFFFFFF  SSSSSSSS  TTTTTTTTTT  RRRRRRRR  IIIIII  NN      NN  GGGGGGGG
UU      UU  FFFFFFFF  SSSSSSSS  TTTTTTTTTT  RRRRRRRR  IIIIII  NN      NN  GGGGGGGG
UU      UU  FF          SS          TT          RR          II          NN      NN  GG
UU      UU  FF          SS          TT          RR          II          NN      NN  GG
UU      UU  FF          SS          TT          RR          II          NN      NN  GG
UU      UU  FF          SS          TT          RR          II          NN      NN  GG
UU      UU  FFFFFFFF  SSSSSS      TT          RR          II          NN      NN  GG
UU      UU  FFFFFFFF  SSSSSS      TT          RR          II          NN      NN  GG
UU      UU  FF          SS          TT          RR          II          NN      NN  GG
UU      UU  FF          SS          TT          RR          II          NN      NN  GG
UU      UU  FF          SS          TT          RR          II          NN      NN  GG
UUUUUUUU  FF          SSSSSSSS      TT          RR          IIIIII  NN      NN  GGGGGG
UUUUUUUU  FF          SSSSSSSS      TT          RR          IIIIII  NN      NN  GGGGGG

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLL  IIIIII  SSSSSSSS
```

```
0001 0 %TITLE 'EDT$UFSTRING - line-mode string search'
0002 0 MODULE EDT$UFSTRING ( ! Line-mode string search
0003 0 IDENT = 'V04-000' ! File: UFSTRING.BLI Edit: JBS1005
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 Line-mode string search.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: February 7, 1978
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 19-FEB-1981. This module was created by
0045 1 extracting routine U_F_STRING from module UTIL.
0046 1 1-002 - Regularize headers and remove control C checking. JBS 11-Mar-1981
0047 1 1-003 - Worry about string truncation. JBS 05-May-1982
0048 1 1-004 - Put in check for control C. SIS 15-Jun-1982
0049 1 1-005 - Remove EDT$SA_STR_CMP. JBS 16-Jul-1982
0050 1
0051 1 --
```


EDTSUFSTRING
V04-000

EDTSUFSTRING - line-mode string search
Declarations

B 1
16-Sep-1984 01:59:50
14-Sep-1984 12:25:13

VAX-11 Bliss-32 V4.0-742
DISK&VMSMASTER:[EDT.SRC]UFSTRING.BLI;1 Page 2 (2)

```
53 0052 1 %SBTTL 'Declarations'
54 0053 1
55 0054 1 TABLE OF CONTENTS:
56 0055 1
57 0056 1
58 0057 1 REQUIRE 'EDTSRC:TRAROUNAM';
59 0496 1
60 0497 1 FORWARD ROUTINE
61 0498 1 EDT$SFND_STR;
62 0499 1
63 0500 1
64 0501 1 INCLUDE FILES:
65 0502 1
66 0503 1
67 0504 1 REQUIRE 'EDTSRC:EDTREQ';
68 0639 1
69 0640 1
70 0641 1 MACROS:
71 0642 1
72 0643 1 NONE
73 0644 1
74 0645 1 EQUATED SYMBOLS:
75 0646 1
76 0647 1 NONE
77 0648 1
78 0649 1 OWN STORAGE:
79 0650 1
80 0651 1 NONE
81 0652 1
82 0653 1 EXTERNAL REFERENCES:
83 0654 1
84 0655 1 In the routine
```



```
0656 1 X$BTTL 'EDT$$FND_STR - line-mode string search'
0657 1
0658 1 GLOBAL ROUTINE EDT$$FND_STR (
0659 1     STRING,
0660 1     LEN,
0661 1     DIR
0662 1 ) =
0663 1
0664 1 ++
0665 1 FUNCTIONAL DESCRIPTION:
0666 1
0667 1     Line mode string search routine. Set-up the string which is passed in
0668 1     as the current search string, then work our way through the buffer in
0669 1     the specified direction looking for the string. If the string is found
0670 1     the buffer position is left at the string, otherwise it will be at the
0671 1     beginning or end depeneding on the direction.
0672 1
0673 1 FORMAL PARAMETERS:
0674 1
0675 1     STRING          Pointer to the search string.
0676 1
0677 1     LEN             Length of the search string.
0678 1
0679 1     DIR             Direction of search: 0 = backward, 1 = forward.
0680 1
0681 1 IMPLICIT INPUTS:
0682 1
0683 1     EDT$$A_CUR_BUF
0684 1     EDT$$T_SEA_STR
0685 1     EDT$$G_SEA_STRLN
0686 1     EDT$$A_WK_CN
0687 1     EDT$$G_EXCT_MATCH
0688 1
0689 1 IMPLICIT OUTPUTS:
0690 1
0691 1     EDT$$G_CC_DONE
0692 1     EDT$$A_CUR_BUF
0693 1
0694 1 ROUTINE VALUE
0695 1
0696 1     0 = string not found
0697 1     1 = string found
0698 1     2 = string invalid
0699 1
0700 1 SIDE EFFECTS:
0701 1
0702 1     NONE
0703 1
0704 1 --
0705 1
0706 2 BEGIN
0707 2
0708 2 EXTERNAL ROUTINE
0709 2     EDT$$CHK_CC,
0710 2     EDT$$SET_SEASTR,
0711 2     EDT$$RD_NXTLN,
0712 2     EDT$$RD_PRVLN,
```



```
143 0713 2      EDT$STR_CMP;                ! Match two strings of equal length
144 0714 2
145 0715 2      EXTERNAL
146 0716 2      EDT$A_CUR_BUF : REF TBCB_BLOCK,      ! Pointer to current buffer TBCB
147 0717 2      EDT$G_CC_DONE,      ! control C seen flag
148 0718 2      EDT$T_SEA_STR : BLOCK [CH$ALLOCATION (64)], ! Last search string.
149 0719 2      EDT$G_SEA_STRLEN,    ! Length of above.
150 0720 2      EDT$A_WK_LN : REF LIN_BLOCK,        ! Pointer to the current line
151 0721 2      EDT$G_EXCT_MATCH;    ! The type of string matching
152 0722 2
153 0723 2      LOCAL
154 0724 2      CONTROL_C : INITIAL (0),
155 0725 2      SC,
156 0726 2      SOURCE;
157 0727 2
158 0728 2      !+
159 0729 2      !- Set up the new search string.
160 0730 2
161 0731 2
162 0732 2      IF EDT$SET_SEASTR (.STRING, .LEN)
163 0733 2      THEN
164 0734 2      BEGIN
165 0735 2
166 0736 2      WHILE NOT .CONTROL_C DO
167 0737 2      BEGIN
168 0738 2      CONTROL_C = EDT$CHK_CC ();
169 0739 2      !+
170 0740 2      !- If seaching backward, then go back a line.
171 0741 2
172 0742 2
173 0743 2      IF ( NOT .DIR)
174 0744 2      THEN
175 0745 2
176 0746 2      IF ( NOT EDT$RD_PRVLN ()) THEN RETURN (0);
177 0747 2
178 0748 2      !+
179 0749 2      !- Get a pointer to the line.
180 0750 2
181 0751 2      SOURCE = EDT$A_WK_LN [LIN_TEXT];
182 0752 2      !+
183 0753 2      !- Compare at each character in the line.
184 0754 2
185 0755 2
186 0756 2      INCR I FROM .EDT$A_CUR_BUF [TBCB_CHAR_POS] TO      !
187 0757 2      (.EDT$A_WK_LN [LIN_LENGTH] - .EDT$G_SEA_STRLEN) DO
188 0758 2
189 0759 2      IF EDT$STR_CMP (CH$PTR (.SOURCE, .I), EDT$T_SEA_STR, .EDT$G_SEA_STRLEN, .EDT$G_EXCT_MATC
190 0760 2
191 0761 2      THEN
192 0762 2      BEGIN
193 0763 2      EDT$A_CUR_BUF [TBCB_CHAR_POS] = .I + .EDT$G_SEA_STRLEN;
194 0764 2      RETURN (1);
195 0765 2      END;
196 0766 2
197 0767 2      !+
198 0768 2      !- If the direction is forward, then move forward a line.
199 0769 2
```


EDTSUFSTRING
V04-000

EDTSUFSTRING - line-mode string search
EDTSSFND_STR - line-mode string search

E 1
16-Sep-1984 01:59:50
14-Sep-1984 12:25:13

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]UFSTRING.BLI;1 Page 5 (3)

```
200 0770 4
201 0771 4
202 0772 4
203 0773 4
204 0774 4
205 0775 4
206 0776 3
207 0777 3
208 0778
209 0779
210 0780
211 0781
212 0782 2
213 0783 1

IF .DIR
THEN
    IF ( NOT EDT$SRD_NXTLN ( ) ) THEN RETURN (0);
END;
EDT$SG_CC_DONE = 1;
RETURN (0);
END;
RETURN (2);
END;
```

! of routine EDTSSFND_STR

.TITLE EDT\$UFSTRING EDT\$UFSTRING - line-mode string se
arch

.IDENT \V04-000\

.EXTRN EDT\$CHK_CC, EDT\$SET_SEASTR
.EXTRN EDT\$SRD_NXTLN, EDT\$SRD_PRVLN
.EXTRN EDT\$STR_CMP, EDT\$A_CUR_BUF
.EXTRN EDT\$SG_CC_DONE, EDT\$T_SEA_STR
.EXTRN EDT\$SG_SEA_STRLEN
.EXTRN EDT\$A_WK_LN, EDT\$SG_EXCT_MATCH

.PSECT _EDT\$CODE, NOWRT, SHR, PIC, 2

.ENTRY EDTSSFND_STR, Save R2,R3,R4,R5,R6,R7,R8

```
MOVAB EDT$A_CUR_BUF, R8
MOVAB EDT$SG_SEA_STRLEN, R7
CLR C
MOVQ STRING, -(SP)
CALLS #2, EDT$SET_SEASTR
BLBC R0, 6$
MCOML DIR, R6
BLBS CONTROL_C, 5$
CALLS #0, EDT$CHK_CC
MOVL R0, CONTROL_C
BLBC R6, 2$
CALLS #0, EDT$SRD_PRVLN
BLBC R0, 7$
MOVL EDT$A_WK_LN, R1
MOVAB 7(R1), SOURCE
MOVL EDT$A_CUR_BUF, R0
MOVZBL (R1), R4
SUBL2 EDT$SG_SEA_STRLEN, R4
MOVZWL 12(R0), I
DECL I
BRB 4$
PUSHL EDT$SG_EXCT_MATCH
PUSHL EDT$SG_SEA_STRLEN
PUSHAB EDT$T_SEA_STR
PUSHAB (I)[SOURCE]
CALLS #4, EDT$STR_CMP
BLBC R0, 4$
```

```
01FC 00000
58 00000000G 00 9E 00002
57 00000000G 00 9E 00009
55 D4 00010
7E 04 AC 7D 00012
00000000G 00 02 FB 00016
7E 50 E9 0001D
56 0C AC D2 00020
6E 55 E8 00024 1$:
00000000G 00 00 FB 00027
55 50 D0 0002E
0A 56 E9 00031
00000000G 00 00 FB 00034
64 50 E9 0003B
51 00000000G 00 D0 0003E 2$:
52 07 A1 9E 00045
50 68 D0 00049
54 61 9A 0004C
54 67 C2 0004F
53 0C A0 3C 00052
53 D7 00056
27 11 00058
00000000G 00 D0 0005A 3$:
67 DD 00060
00000000G 00 9F 00062
6342 9F 00068
00000000G 00 04 FB 0006B
0C 50 E9 00072
```

```
0658
0706
0732
0743
0736
0738
0743
0746
0751
0756
0757
0759
```


EDTSUFSTRING
V04-000

EDTSUFSTRING - line-mode string search
EDTSSFND_STR - line-mode string search

F 1
16-Sep-1984 01:59:50
14-Sep-1984 12:25:13

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]UFSTRING.BLI;1

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(3)

OC	A0	50	68	D0	00075	MOVL	EDTSSA_CUR_BUF, R0	:	0763
		53	67	A1	00078	ADDW3	EDTSSG_SEA_STRLEN, 1, 12(R0)	:	
		50	01	D0	0007D	MOVL	#1, R0	:	0764
				04	00080	RET		:	
	D5	53	54	F3	00081	AOBLEQ	R4, 1, 3\$	:	0759
		98	AC	E9	00085	BLBC	DIR, 1\$	:	0771
	00000000G	00	00	FB	00089	CALLS	#0, EDTSSRD_NXTLN	:	0774
		91	50	E8	00090	BLBS	R0, 1\$	:	
			0D	11	00093	BRB	7\$	:	
	00000000G	00	01	D0	00095	MOVL	#1, EDTSSG_CC_DONE	:	0778
			04	11	0009C	BRB	7\$	:	0779
		50	02	D0	0009E	MOVL	#2, R0	:	0782
				04	000A1	RET		:	
			50	D4	000A2	CLRL	R0	:	0783
				04	000A4	RET		:	

; Routine Size: 165 bytes, Routine Base: _EDT\$CODE + 0000

; 214 0784 1
; 215 0785 1 !<BLF/PAGE>

EDTSUFSTRING
V04-000

EDTSUFSTRING - line-mode string search
EDTSSFND_STR - line-mode string search

G 1
16-Sep-1984 01:59:50
14-Sep-1984 12:25:13

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]UFSTRING.BLI;1 (4)

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: 217
: 218
: 219

0786 1 END
0787 1
0788 0 ELUDOM

! of module EDTSUFSTRING

PSECT SUMMARY

: Name Bytes Attributes
: _EDT\$CODE 165 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

: File Total Symbols Loaded Percent Pages Mapped Processing Time
: _\$255\$DUA28:[EDT.SRC]EDT.L32;1 377 32 8 40 00:00.2
: _\$255\$DUA28:[EDT.SRC]PSECTS.L32;1 2 1 50 7 00:00.1

COMMAND QUALIFIERS

: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LISS:UFSTRING/OBJ=OBJ\$:UFSTRING MSRC\$:UFSTRING.BLI/UPDATE=(ENH\$:UFST
: RING)

: Size: 165 code + 0 data bytes
: Run Time: 00:13.2
: Elapsed Time: 00:15.5
: Lines/CPU Min: 3595
: Lexemes/CPU-Min: 10302
: Memory Used: 93 pages
: Compilation Complete

0140

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